in detail. Contains instructions for repairing all types of axles, steering gears and other chassis parts. Many tables, short cuts in figuring and rules of practice are given for the mechanic. Explains fully valve and magneto timing, "tuning" engines, systematic location of trouble, repair of ball and roller bearing, shop kinks, first aid to injured and a multitude of subjects of interest to all in the garage and repair business. All illustrations are especially made for this book, and are actual photographs or reproductions of engineering drawings.

This book also contains special instructions on electric starting, lighting and ignition systems, tire repairing and rebuilding, autogenous welding, brazing and soldering, heat treatment of steel, latest timing practice, eight and twelve cylinder motors, etc. You will never "get stuck" on a job if you own this book.

Laboratory Manual for General Science. By LEWIS ELHUFF. Boston, D. C. Heath and Company. Pp. vi + 90.

This manual is planned to accompany the author's "General Science, First Course." It contains 112 exercises, some to be demonstrated by the teacher, others by the teacher and pupils together, and still others by the pupils individually. The material seems to be well-chosen, both as to interest and usefulness.

Synthetic Projective Geometry. By DERRICK NORMAN LEHMER. Boston, Ginn and Company. Pp. xiii + 123. Price 96 cents.

The author has written a very interesting introduction to this subject. It avoids algebraic methods, and does not presuppose any knowledge of analytic geometry. The topics covered include correspondences, point rows and pencils of the first and second order, Pascal's and Brianchon's theorems, duality, poles and polars, involution, metrical developments, and the history of the subject.

Practical Drawing. By HARRY WILLIAM TEMPLE. Boston, D. C. Heath and Company. Pp. 141.

The purpose of this book is to teach eighth grade pupils to make practical working drawings, and to read blue prints. It is planned as an integral part of the course in shop work, and so has the advantage of making its usefulness clear to the pupil as the course progresses.

The applications are varied and within the capability of boys of this age, the plates are clear, and the whole book is well planned.